

IN THE CLAIMS

1. (Previously presented) A purified or isolated protein comprising a 55 kD polypeptide from *Neisseria gonorrhoeae*, wherein the molecular weight of the 55 kD polypeptide is determined by sodium dodecyl sulfate polyacrylamide gel electrophoresis under reducing conditions.

2-6. (Canceled)

7. (Previously presented) A purified or isolated protein comprising the amino acid sequence of SEQ ID NO:4.

8-20. (Canceled)

21. (Currently amended) The purified or isolated protein of claim 1 ~~vaccine of claim 15~~, wherein the protein polypeptide is expressed from an isolated nucleic sequence encoding the protein polypeptide.

22. (Canceled)

23. (Currently amended) The composition of claim 67 ~~vaccine of claim 15~~, which further comprises ~~an effective amount of~~ an immunological adjuvant.

24. (Currently amended) The purified or isolated protein of claim 1 ~~vaccine of claim 15~~, wherein the protein polypeptide is conjugated or linked to a second peptide.

25. (Currently amended) The purified or isolated protein of claim 1 ~~vaccine of claim 15~~, wherein the protein polypeptide is conjugated or linked to a polysaccharide.

26-60. (Canceled)

61. (Currently amended) The purified or isolated protein of claim 7 ~~vaccine of claim 60~~, wherein the protein polypeptide is expressed from an isolated nucleic sequence encoding the protein polypeptide.

62. (Currently amended) The composition of claim 68 ~~vaccine of claim 60~~, which further comprises an effective amount of an immunological adjuvant.

63. (Currently amended) The purified or isolated protein of claim 7 ~~vaccine of claim 60~~, wherein the protein polypeptide is conjugated or linked to a second peptide.

64. (Currently amended) The purified or isolated protein of claim 7 ~~vaccine of claim 60~~, wherein the protein polypeptide is conjugated or linked to a polysaccharide.

65. (Previously presented) A composition prepared by combining the purified or isolated protein of claim 1 with a carrier.

66. (Previously presented) A composition prepared by combining the purified or isolated protein of claim 7 with a carrier.

67. (Previously presented) A composition comprising the purified or isolated protein of claim 1 in combination with a physiologically acceptable, non-toxic vehicle.

68. (Previously presented) A composition comprising the purified or isolated protein of claim 7 in combination with a physiologically acceptable, non-toxic vehicle.

69. (New) A composition comprising the isolated or purified protein of claim 21 in combination with a physiologically acceptable, non-toxic vehicle.

70. (New) A composition comprising the isolated or purified protein of claim 61 in combination with a physiologically acceptable, non-toxic vehicle.

71. (New) A composition comprising the isolated or purified protein of claim 24 in combination with a physiologically acceptable, non-toxic vehicle.

72. (New) A composition comprising the isolated or purified protein of claim 63 in combination with a physiologically acceptable, non-toxic vehicle.

73. (New) A composition comprising the isolated or purified protein of claim 25 in combination with a physiologically acceptable, non-toxic vehicle.

74. (New) A composition comprising the isolated or purified protein of claim 64 in combination with a physiologically acceptable, non-toxic vehicle.